



MA Center for Health Information & Analysis

MA APCD User Workgroup

December 20, 2016

Agenda



- Announcements
 - Updates on FY15 Case Mix release
- What's Coming in 2017
- Questions Answered by CHIA
- Q&A

MA APCD Release 5.0



- Application forms are posted on the APCD website:
<http://www.chiamass.gov/application-documents/>
- Data is ready for release now
- Release documentation (including full data specifications and release documentation) has been posted to the APCD website:
<http://www.chiamass.gov/ma-apcd/>

Release Documentation

CHIA.

CHIA Data » MA APCD

Massachusetts All Payer Claims Database

The Massachusetts All Payer Claims Database (MA APCD) is the most comprehensive source of health claims data from public and private payers in Massachusetts. With information on the vast majority of Massachusetts residents, the MA APCD promotes transparency, and affords a deep understanding of the Massachusetts health care system.

CHIA's enabling statute allows for the collection of data from commercial payers, third party administrators and public programs (Medicare and MassHealth, Massachusetts' Medicaid program).

Please visit CHIA's [Regulations](#) page for more specific information.

These data sets come both from medical insurers and from specialty insurers and administrators of "carved-out" services including pharmacy, mental health/chemical dependency, dental, and vision.

It is used by health care providers, health plans, researchers, and others to address a wide variety of issues, including price variation, population health and quality measurement.

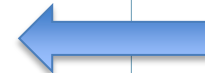
How is MA APCD unique?

While several states have All Payer Claims Databases, the MA APCD has a unique focus on the efficiencies to be achieved by having a single independent agency - as opposed to multiple state agencies - collect data from payers.

CHIA offers the additional benefit of having the infrastructure to work collaboratively with payers to improve data quality and completeness and having the specialized staff needed to normalize data across payers to support cross-payer analyses.

[Sign up to join the MA APCD / Case Mix User Group Mailing List](#)

MA APCD Overview Information	
<ul style="list-style-type: none">MA APCD Overview (New version available mid August)MA APCD Non-Technical Overview (PPT)MA APCD Release Notes (R5.0)MA APCD Administrative Bulletin (R5.0)	
<ul style="list-style-type: none">NEW! How employer participation in the MA APCD can curb health care costsNEW! Key Regulatory Issues Q&A after <i>Gobeille v. Liberty Mutual</i>	
Steps to Request the Data	
Government Requests	Non-Government Requests
MA APCD Release 5.0 Documentation	
Government	Non-Government (Limited Data Set-LDS)
<ul style="list-style-type: none">Documentation Guide (July 2016)Data Specifications (July 2016)	<ul style="list-style-type: none">Documentation Guide (July 2016)Data Specifications (July 2016)
MA APCD Documentation Archive	
User Support / Contact Us	
MA APCD / Case Mix User	apcd.data@state.ma.us



Revised Application Forms



Posted here: <http://www.chiamass.gov/application-documents>

The screenshot shows the CHIA website's navigation and content. At the top left is the CHIA logo. To its right are the links "HEALTH INFORMATION AND ANALYSIS", "CHIA DATA", and "ABOUT CHIA". A search bar is located on the top right. Below the navigation is a horizontal menu with five items: "MA APCD" (highlighted with a dark blue background), "Case Mix Data", "Hospital and Other Provider Data", "Information for Data Submitters", and "Other Data". The main content area has a breadcrumb trail: "CHIA Data » MA APCD » Application Documents". The title "Application Documents" is followed by a horizontal line. Under "APCD Fee Schedule", there is a link to "Administrative Bulletin 16-02: Update to All-Payer Claims Database ('APCD') Fee Schedule (PDF) | Word (Effective January 21, 2016)". The section "Application Materials for Government Entities Requesting APCD Data:" includes a list of links: "APCD Request Form: Governmental Entity (PDF) | Word", "APCD Data Specification Workbook (Excel)", "Medicare Request Form (Excel)", "Data Use Agreement Governmental Entity (PDF) | Word", "Medicaid Addendum to Data Use Agreement (PDF) | Word", "Medicare Addendum to Data Use Agreement (PDF) | Word", and "Medicaid Acknowledgement of Conditions (PDF) | Word". A large blue arrow points from this list to the left. The section "Application Materials for Non-Government Entities Requesting APCD Data:" includes a list of links: "Non-Government Request Form (PDF) | Word", "APCD Non-Government Data Element Specifications (Excel)", "Fee Remittance or Fee Waiver Request Form (PDF) | Word", "Data Management Plan with Minimum Security Requirements (PDF) | Word", "Data Use Agreement (PDF) | Word", and "Medicaid Acknowledgement of Conditions (PDF) | Word". A large blue arrow points from this list to the left. A note at the bottom states: "Note: Case Mix application documents are located here." At the very bottom, a "PLEASE NOTE" link is provided: "Important Information for Non-Governmental Requests for APCD and Case Mix Data (PDF) | Word".

CHIA. HEALTH INFORMATION AND ANALYSIS CHIA DATA ABOUT CHIA

Q Search

MA APCD Case Mix Data Hospital and Other Provider Data Information for Data Submitters Other Data

CHIA Data » MA APCD » Application Documents

Application Documents

APCD Fee Schedule

- Administrative Bulletin 16-02: Update to All-Payer Claims Database ("APCD") Fee Schedule (PDF) | Word (Effective January 21, 2016)

Application Materials for Government Entities Requesting APCD Data:

- APCD Request Form: Governmental Entity (PDF) | Word
- APCD Data Specification Workbook (Excel)
- Medicare Request Form (Excel)
- Data Use Agreement Governmental Entity (PDF) | Word
- Medicaid Addendum to Data Use Agreement (PDF) | Word
- Medicare Addendum to Data Use Agreement (PDF) | Word
- Medicaid Acknowledgement of Conditions (PDF) | Word

Application Materials for Non-Government Entities Requesting APCD Data:

- Non-Government Request Form (PDF) | Word
- APCD Non-Government Data Element Specifications (Excel)
- Fee Remittance or Fee Waiver Request Form (PDF) | Word
- Data Management Plan with Minimum Security Requirements (PDF) | Word
- Data Use Agreement (PDF) | Word
- Medicaid Acknowledgement of Conditions (PDF) | Word

Note: Case Mix application documents are located here.

PLEASE NOTE: [Important Information for Non-Governmental Requests for APCD and Case Mix Data \(PDF\) | Word](#)

Case Mix FY15 Release Update



- Inpatient Data (HIDD) is going out the door now
- Emergency Department (ED) fulfillment began earlier this month and is ongoing
- Outpatient Observation (OOD) release date is still TBD

Apply for all files now and we will fulfill them as they become available.

Application Reminders



1. Don't forget to upload CVs/Resumes for the “core project team” (even if you've previously been approved for data)
2. Don't forget to upload IRB documentation (even if it's been determined that you are not subject to IRB review)
3. Don't forget to upload your Research Methodology, per Section II of the application (recently updated). This is required for ALL applicants.

Application Reminders



FEE WAIVERS

Supporting Documentation: If the waiver you are requesting requires additional documentation, don't forget to include this in your IRBNet package.

(includes waivers for *financial hardships* and projects purporting to *evaluate or improve a current state initiative*)

Financial Hardships: We expect applicants will have made an attempt to find funding, rather than relying on receiving a financial hardship waiver.

Coming in 2017



Applicants will now be able to request *future years of data* (for specific projects)

- Change will be made to the application forms around January 1st
- Applies to both APCD and Case Mix
- Fees will still apply

Future years of data for these approved projects will not require repeat **Data Privacy Committee (DPC)** or **Data Release Committee (DRC)** review

- Exception: if the application is later revised/amended and the committees need to re-determine if the *public interest* or *minimum necessary data* requirements are still met

Coming in 2017 cont'd



Fee Schedule Changes

- Expecting new Administrative Bulletins for both APCD and Case Mix fees to be published effective February 1st
- No changes to the actual fees
- Revised Fee Waiver criteria
- Revised definitions (i.e. “multiple use”, “reseller”, etc.)
- Pay *per year* of data (rather than *per extract*)

[applies to Case Mix only**]**

Coming in 2017 cont'd



Fee Schedule Changes

- CHIA will send out an eblast in January announcing the posting of the new Admin Bulletins to the CHIA website
- We will be answering any questions people have about the new fee schedules at the January Case Mix User Workgroup and the February APCD User Workgroup
(will be asking for questions to be sent in ahead of time)



QUESTIONS?

Question: How Do I Determine Provider Networks Using the APCD Limited Data Set?



Answer: In a recent paper, Keith Marzilli Ericson and Amanda Starc used the Massachusetts APCD for “*Measuring Consumer Valuation of Limited Provider Networks*”^{*} to garner network attributes not readily available in the APCD. They linked the unencrypted National Service Provider Identifier (MC026) to several external sources and also used physician name and service provider location ZIP code from those external sources to link to an additional source.

External Sources for Network Attributes

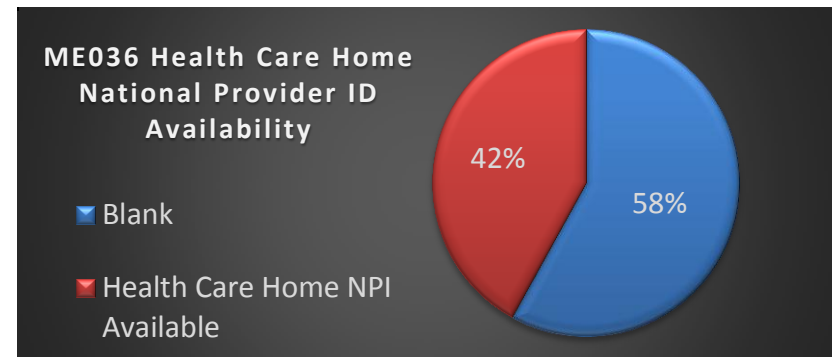
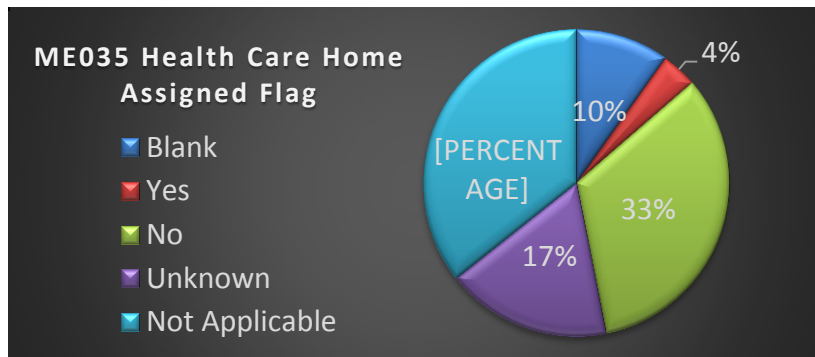
- American Medical Association Physician Masterfile Data
- American Hospital Association Data
- Massachusetts Health Quality Partners (MHQP) Data, as MHQP’s Director of Analytic Applications states, “aggregates providers into practices, practices into medical groups and medical groups into networks”.

Question: How Do I Determine Provider Networks Using the APCD Limited Data Set?



A follow-up related question: How well populated is APCD Health Care Home National Provider ID (ME036)?

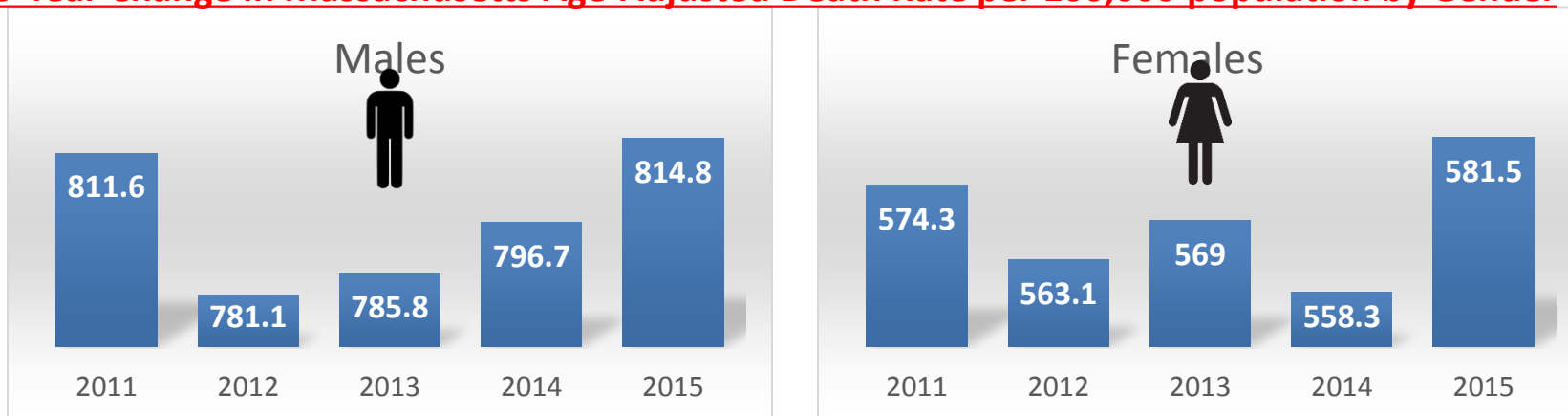
Answer: ME036 is reported when ME035 (Health Care Home Assigned Flag) is 'Yes'. For MA residents, **618,510 distinct MEIDs** (3.8% of the records) have a 'Yes' response. For these records flagged as 'Yes', ME036 is populated 41.8% of the time for **259,006 distinct MEIDs**.



Question: How Reliable is **MC023 (Discharge Status)** and **Discharge Status** in Case Mix Data? Both calendar year 2015 MA APCD and fiscal year 2015 Case Mix Data show higher than inpatient previous years.

Answer: Massachusetts death certificate data reported by CDC's National Center for Health Statistics corroborates an increase in deaths in 2015. Both the male and female death rates reached a 5 year high in 2015. By place of death, the largest increases occurred in Hospice facilities.

5-Year Change in Massachusetts Age-Adjusted Death Rate per 100,000 population by Gender*



5-Year Change in Number of Massachusetts Deaths by Place of Death*

Place of Death	2011	2012	2013	2014	2015
Decedent's home	13,818	14,369	14,934	14,942	14,423
Hospice facility	123	153	172	871	2,630
Medical Facility - Dead on Arrival	530	624	617	641	603
Medical Facility -Inpatient	16,624	16,226	16,279	16,427	16,984
Medical Facility – Outpatient or ER	3,958	3,725	4,015	4,174	4,425
Medical Facility – Status unknown	suppressed	suppressed	suppressed	suppressed	suppressed
Nursing home/long term care	15,893	15,333	15,593	15,345	16,103
Other	2,749	2,706	2,932	2,784	2,631
Place of death unknown	15	41	25	16	suppressed

*Source: Centers for Disease Control and Prevention, National Center for Health Statistics. Underlying Cause of Death 1999-2015 on CDC WONDER Online Database, released December, 2016.

Question: I am applying for the APCD LDS. What is the Quality of the Medical Claims Service Provider Specialty Data?



Answer: In APCD Release 5.0, for the highest version paid claims, the service provider specialty is populated 68% of the time for 853,988,145 claim lines. Approximately 56% of the populated specialty codes use either Medicare's 2-digit specialty code or the more specific provider taxonomy code and 40% of the populated codes have values in the carrier specific lookup table.

- Due to the lack of full complete standardization in the specialty codes and to the 32% missing, applicants approved to use data requiring specialty codes sometimes request the Unencrypted Service Provider NPI (MC026) to link the CMS NPI Registry which is a free downloadable directory of all active **National Provider Identifier (NPI)** containing 329 fields which include the provider's name, credentials, multiple specialty (taxonomy) fields and multiple practice locations.
- CMS has available the following of regularly updated file types:
 - **Full Replacement Monthly NPI File**
 - **Full Replacement Monthly NPI Deactivation File**
 - **Weekly Incremental NPI Files**

Current APCD filing specifications ask that carriers submit standardized taxonomy instead of carrier specific codes for service provider specialty.

Question: Falls are one of the leading causes of death. I want to analyze the cost of outpatient rehabilitation care for falls. What is the availability of E-Codes in APCD Release 5?



Answer: When an injury is the result of external cause (and not caused by illness or disease) an external cause (E-code) is used in combination with the injury or poisoning diagnosis code.

APCD Release 5.0 contains approximately 50 million highest version claim lines with a principal ICD-9-CM diagnosis code within the range of injury and poisoning (ICD-9-CM 800-999). Approximately 1% of those claims have a code in the dedicated E-code field. The Massachusetts case mix data continues to have one of the highest E-coding rates in the nation, over 95% E-coded for injury diagnosis.

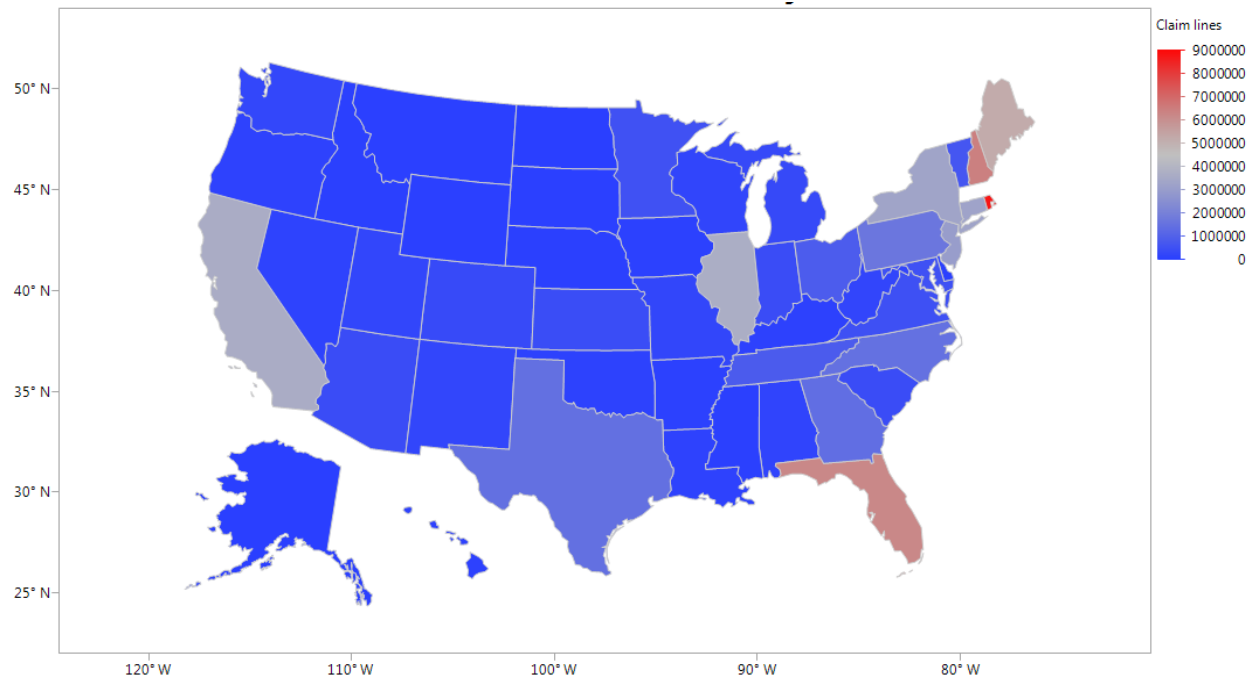


Question: Should I use APCD or Case Mix data for inpatient analysis?



Answer: Approximately 80% of claims in the MA APCD are for outpatient care. The APCD Limited Data Set is packaged as a product which does not allow applicants to request data by type of care setting. If your focus is on acute care, the inpatient case mix data would have the advantage of including all payers (public and private), high quality E-coding, several versions of high quality DRG coding, and high quality race and ethnicity data. However, if your focus is on the non-Medicare population and includes a component looking at care transitions, transfers that interstate transfers for Massachusetts residents that fall of the radar in case mix data can be seen in the APCD. While 96% of claim lines are for care provided in Massachusetts, 4% of care for MA residents is received in other states (see map below).

APCD Release 5.0 Claim Line Volume for Massachusetts Residents Receiving Out of State Care



Questions?



- Questions related to APCD:
(apcd.data@state.ma.us)
- Questions related to Case Mix:
(casemix.data@state.ma.us)

REMINDER: Please include your **IRBNet ID#**, if you currently have a project using CHIA data

Call for Topics and Presenters



If there is a **TOPIC** that you would like to see discussed at an MA APCD or Case Mix workgroup in 2017, contact Adam Tapply [adam.tapply@state.ma.us]

If you are interested in **PRESENTING** at an MA APCD or Case Mix workgroup in 2017, contact Adam Tapply [adam.tapply@state.ma.us]

You can present remotely from your own office, or in-person at CHIA.